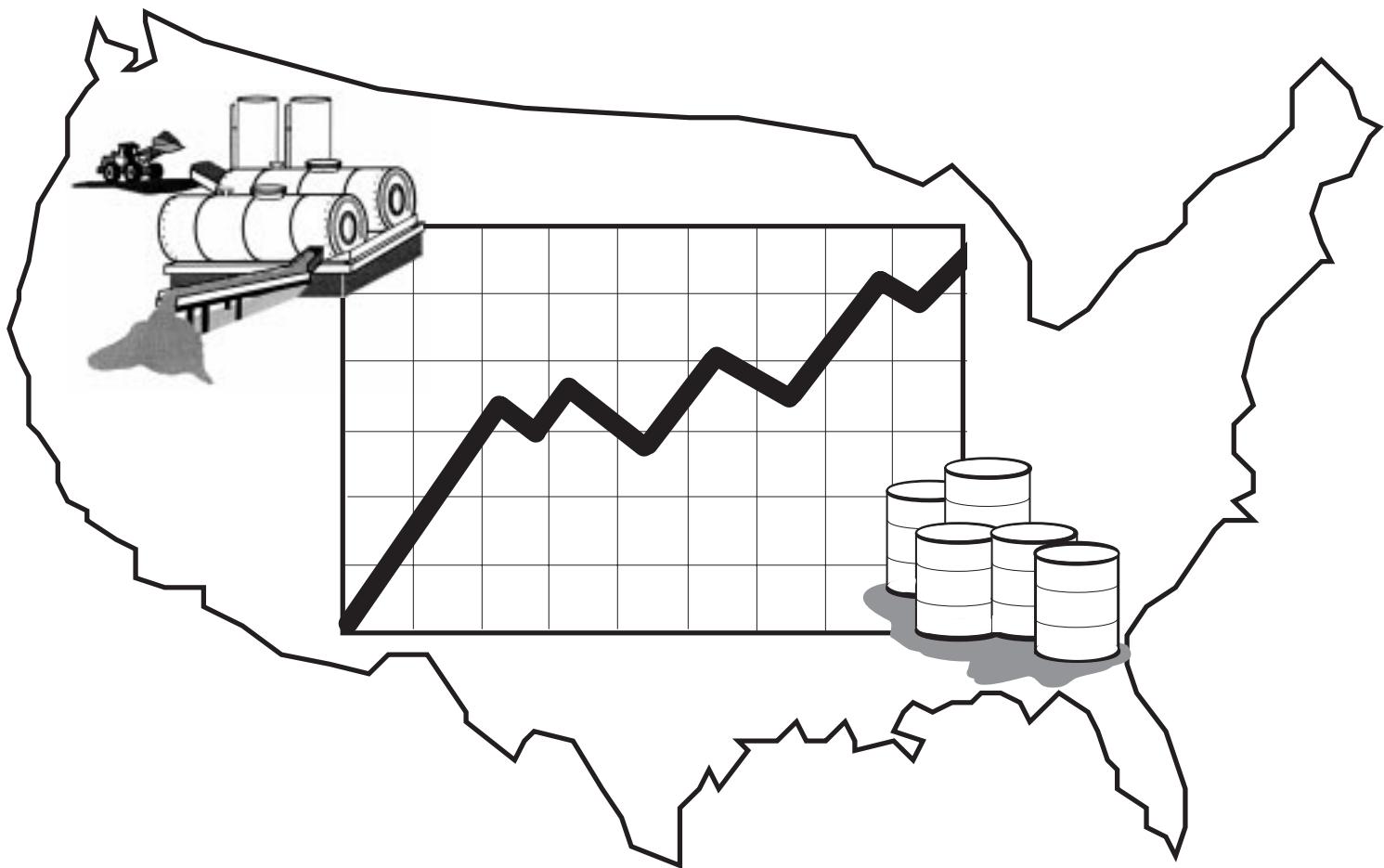




# Clean Up the Nation's Waste Sites: Markets and Technology Trends

*1996 Edition*



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# **Cleaning Up the Nation's Waste Sites: Markets and Technology Trends**

***1996 Edition***

U.S. Environmental Protection Agency  
Office of Solid Waste and Emergency Response  
Technology Innovation Office  
Washington, D.C. 20460

## **NOTICE**

The information in this document has been funded wholly or in part by the United States Environmental Protection Agency under contract number 68-W6-0014 to Environmental Management Support, Inc. It has been subject to the Agency's peer and administrative review and has been approved for publication as an EPA document. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.

Copies of this report and the executive summary are available free-of-charge from the National Center for Environmental Protection and Information (NCEPI), P.O. Box 42419, Cincinnati, Ohio, 45242-2419, 800-490-9198 or 513-489-8190 (voice), or 513-489-8695 (fax). Refer to document number EPA-542-R-96-005A (Executive Summary) or EPA-542-R-96-005 (full report). These documents also can be obtained by accessing EPA's Clean Up Information System (CLU-IN) on the Internet (<http://www.clu-in.com>) or via modem at 301-589-8366. For voice help call 301-589-8368.

## **FOREWORD**

Over the next several decades, federal, state, and local governments and private industry will commit billions of dollars annually to clean up sites contaminated with hazardous waste and petroleum products. This planned investment will result in a continuing demand for site remediation services and technologies that provide better, faster, cheaper environmental cleanup. The purpose of this report is to provide technology vendors, developers and investors, and government officials with improved information on the demand for cleanup services so that they may better identify business opportunities and plan technology research and development efforts. EPA believes that more readily available information on the cleanup market will further the development and use of new techniques for site remediation.

The study describes the future demand for remediation services in all of the major cleanup programs in the U.S., including Superfund, Resource Conservation and Recovery Act (RCRA) corrective action, underground storage tanks, state programs, and federal agencies such as the Departments of Defense and Energy (DOD and DOE). The study updates and expands a 1993 analysis that brought together for the first time valuable information on site characteristics, market size, and other factors that affect the demand for remediation services and technologies in these programs. In addition to providing updates of data in the original version, this report includes significant new information on cleanup needs related to underground storage tanks, RCRA corrective actions, and sites administered by DOD, DOE, and other federal agencies. It identifies several technology gaps, and highlights technology development priorities set by public and private sector problem owners.

Comments or questions concerning this report may be directed to the U.S. EPA, Technology Innovation Office (5102G), 401 M Street, SW, Washington, DC 20460, (703) 603-9910.

## **ACKNOWLEDGEMENTS**

This document was prepared for the U.S. Environmental Protection Agency's Technology Innovation Office (TIO). The report would not have been possible without the assistance of staff throughout EPA, the Department of Defense (DOD), and the Department of Energy (DOE). Special thanks go to staff in EPA's Office of Emergency and Remedial Response; Office of Solid Waste; Office of Underground Storage Tanks; Federal Facilities Restoration and Reuse Office; and Office of Federal Facilities Enforcement. DOD's Office of the Assistant Under Secretary of Defense for Environmental Security, DOE's Office of Environmental Restoration, and DOE's Office of Technology Development were exceptionally generous with their time and expertise.

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